

Claims

- [1] A reinforcement of foundation, comprising:
at least two base steel plates shaped as a plate and arranged to be upright with respect to the ground;
a reinforced steel plate coupled to both ends of the base steel plates; and
fastening steel rods coupled to the reinforced steel plate to be parallel with the base steel plates.
- [2] The reinforcement of foundation as claimed in claim 1, wherein the base steel plates are arranged in parallel with each other.
- [3] The reinforcement of foundation as claimed in claim 1, wherein the base steel plates are radially arranged to have a constant angular interval around a vertical centerline.
- [4] The reinforcement of foundation as claimed in claim 1, wherein the base steel plates include at least two transversal base steel plates arranged in a transversal direction and at least one longitudinal base steel plate arranged in a longitudinal direction and coupled to the transversal base steel plates.
- [5] The reinforcement of foundation as claimed in any one of claims 1 to 4, wherein each of the base steel plates is formed with a cutaway at the center of a top portion thereof.
- [6] The reinforcement of foundation as claimed in any one of claims 1 to 4, wherein the reinforced steel plate includes first through-holes formed at positions corresponding to both ends of each of the fastening steel rods, each of the fastening steel rods is coupled to the reinforced steel plate such that the both ends of the fastening steel rod can pass through the first through-holes and protrude outward from the reinforced steel plate, first male threads are formed on the both ends of the fastening steel rod that protrude from the reinforced steel plate, and the fastening steel rod is fastened to the reinforced steel plate by means of first nuts that can be engaged with the first male threads.
- [7] The reinforcement of foundation as claimed in any one of claims 1 to 4, wherein a pair of the fastening steel rods are placed to extend in a longitudinal direction of the base steel plates and coupled to the reinforced steel plate to be spaced apart rightward and leftward from positions where the base steel plates and reinforced steel plate are coupled to each other.
- [8] The reinforcement of foundation as claimed in any one of claims 1 to 4, wherein the base steel plate includes at least one second through-hole bored therethrough in a direction in which the base steel plates are arranged, and the reinforcement of foundation further comprises a connection steel rod which sequentially passes

through the second through-holes of the base steel plates and is coupled to the base steel plates.

[9] The reinforcement of foundation as claimed in claim 8, wherein the connection steel rod protrudes outward from the base steel plates, second male threads are formed on the protruding ends of the connection steel rod, and the connection steel rod is fastened to the base steel plate by means of second nuts that can be engaged with the second male threads.

[10] The reinforcement of foundation as claimed in claim 8, wherein the connection steel rod is fixedly welded to the base steel plates at portions thereof where the connection steel rod simply passes through the second through-holes.